

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/007113

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.7 G06K 19/00, 17/00, B65G61/00, H04B1/59, 5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.7 G06K 19/00, 17/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996

Published unexamined utility model applications of Japan 1971-2005

Registered utility model specifications of Japan 1996-2005

Published registered utility model applications of Japan 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2004-21484 A(DAI NIPPON PRINTING CO.,Ltd.) 2004.01.22,paragraphs[0015]-[0019], (Family none)	1-12
Y	JP 2003-345818 A(HITACHI, LTD.) 2003.12.05,paragraphs[0008]-[0014] & CN 001460949 A	1-12
Y	JP 2001-155134 A(SEIKO EPSON CORPORATION), 2001.06.08,claims1,2, (Family none)	1-12
Y	JP 11-66250 A(TOSHIBA CORPORATION) 1999.03.09,paragraphs[0039]-[0048], (Family none)	4, 5
Y	JP 2000-138621 A(HITACHI MAXWELL CO.,Ltd.) 2000.05.16,paragraph[0014], (Family none)	10-12

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

22.07.2005

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09.8.2005

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